

ABSTRACT

Provided is an optical transceiver for reducing crosstalk, comprising a light signal transmitter, a photoelectric transducer having a light transmitting device that converts the electrical signal into the light signal for transmission and a light receiving device that converts a received light signal into an electrical signal, and an electronic component that is located on a PCB connected to a leadframe or inside the optical transceiver module and amplifies, modulates, and demodulates the electrical signals in receiving and transmitting, whereby it is possible to implant the crosstalk level of less than – 90 dB capable of retaining the reception sensitivity to –26 dBm in the optical transceiver, by forming the dummy ground lines on the substrate to reduce the crosstalk between the light transmitting device and the receiving device mounted on the silicon substrate.